

ABSTRACT

A vibration piezoelectric acceleration sensor including a pair of diaphragms linearly and oppositely disposed on a frame, a support body supporting the diaphragm, and a holding part holding the support body slidably in a linear direction, and another pair of diaphragms disposed linearly and oppositely crossing the pair of diaphragms detecting acceleration in two axes, i.e. X and Y directions. The diaphragms are extended and retracted by the acceleration transmitted to the support body through the holding part, changing a natural oscillation frequency. Accordingly, a high change ratio of resonance frequency can be provided with the detection of the acceleration, and the acceleration in two axes directions can be detected without being affected by a change in temperature.

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